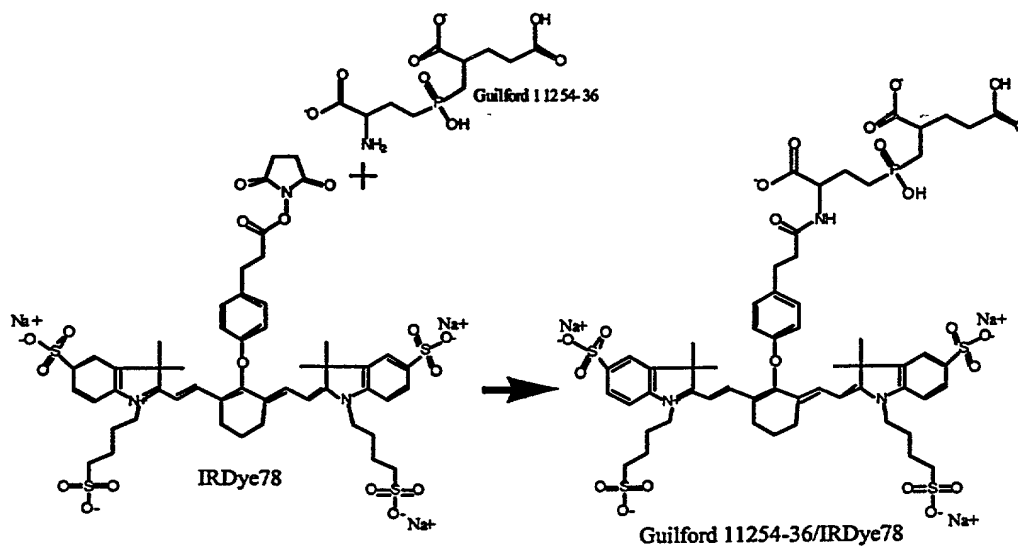


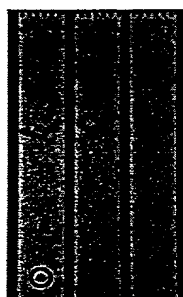
A.



B.

Guilford
11254-36
Normal Phase

1 2 3



Notes

Unlabeled Molecule of Interest Stained with Ninhydrin (red)

----- = Mobile Phase Front

← = Desired NIR Fluorophore-Coupled Product

↙ = Unlabeled Molecule of Interest

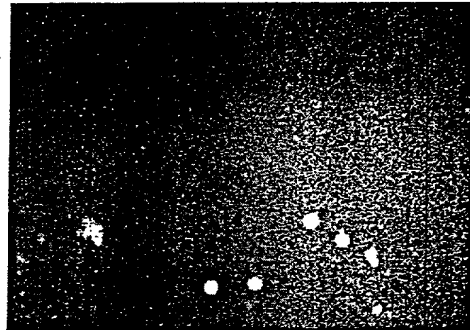
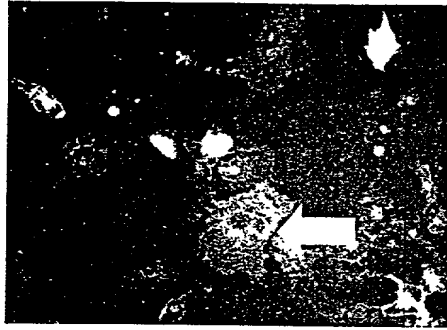
○ = Origin

Figure 1

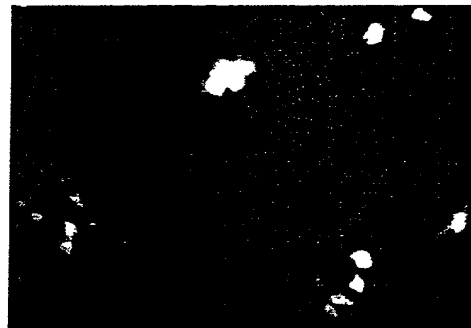
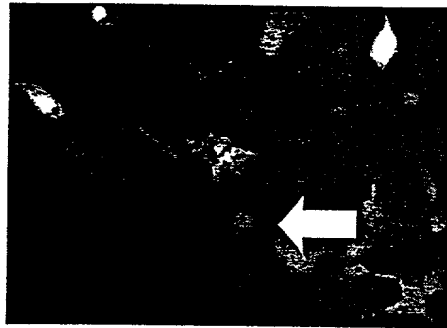
PSMA and GFP Co-
Expressing Adenovirus

GFP Only Expressing
Adenovirus

Near-Infrared
Fluorescence



GFP
Fluorescence



Phase
Contrast

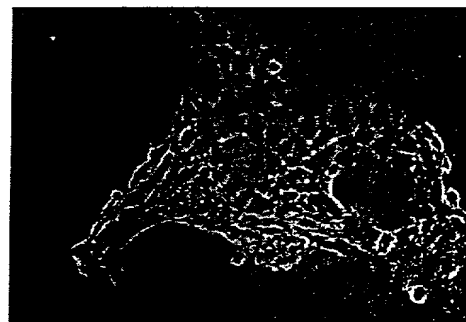
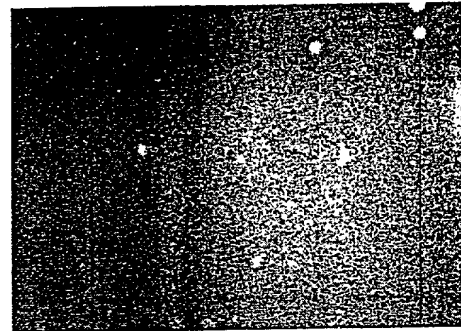
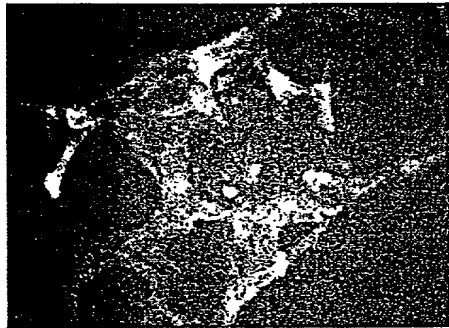


Figure 2

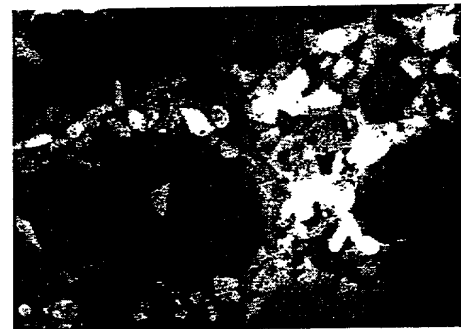
PSMA and GFP Co-
Expressing Adenovirus

Erb-B2 and GFP Co-
Expressing Adenovirus

Near-Infrared
Fluorescence



GFP
Fluorescence



Phase
Contrast

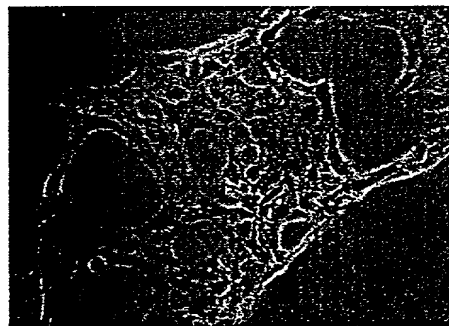


Figure 3

FIG. 4

Near-Infrared Fluorescence Detection of PSMA using Guilford 11254-36/IRDye78

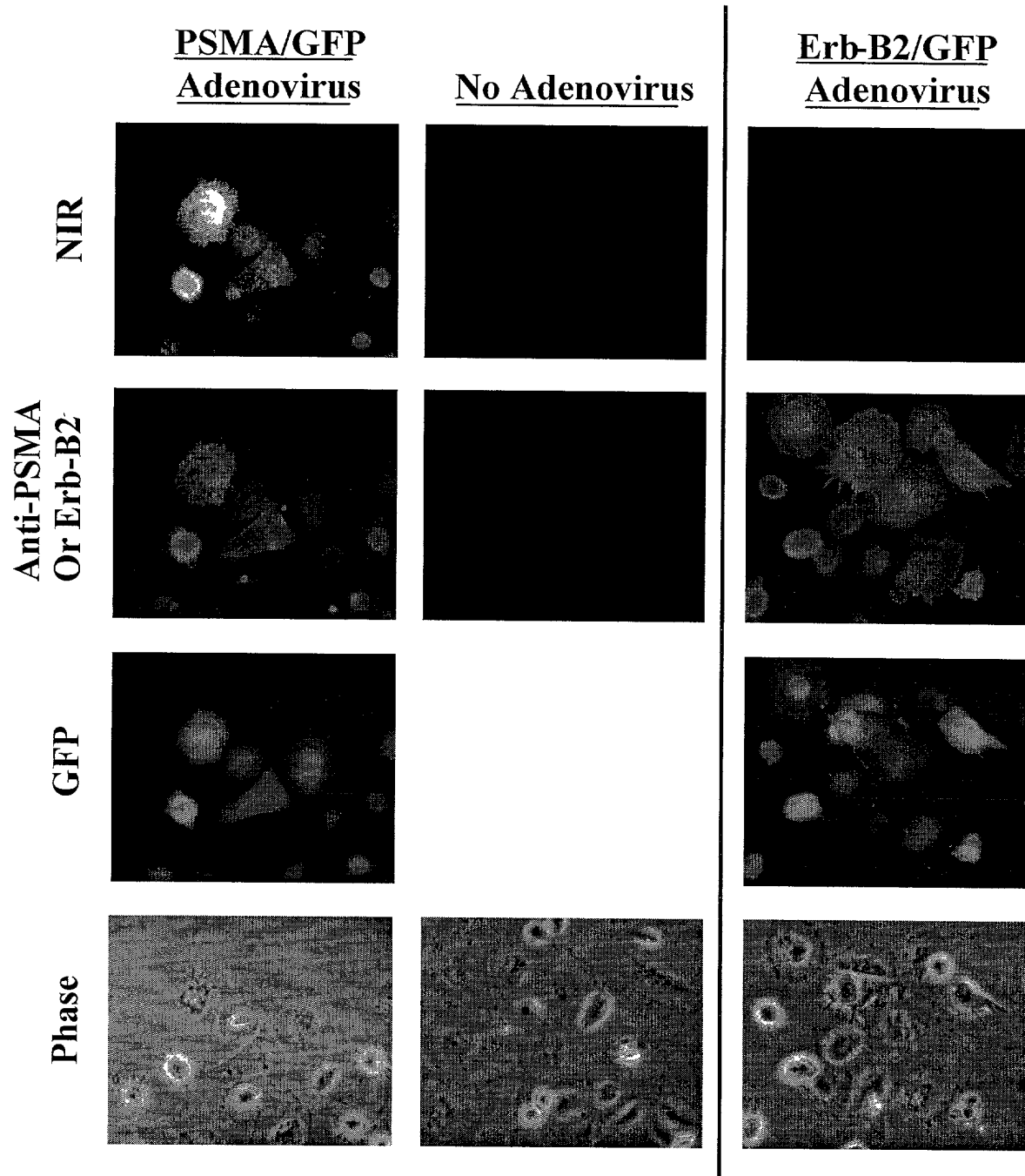
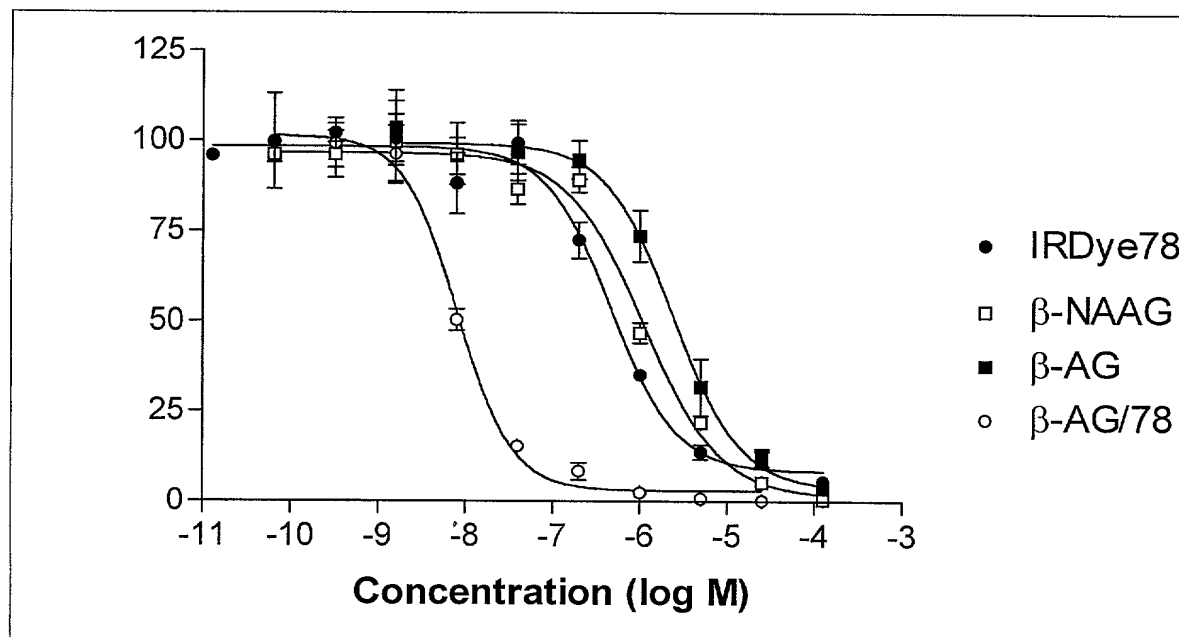


FIG. 5



Structure of the beta-AG/IRDye78 conjugate (beta-AG/78)

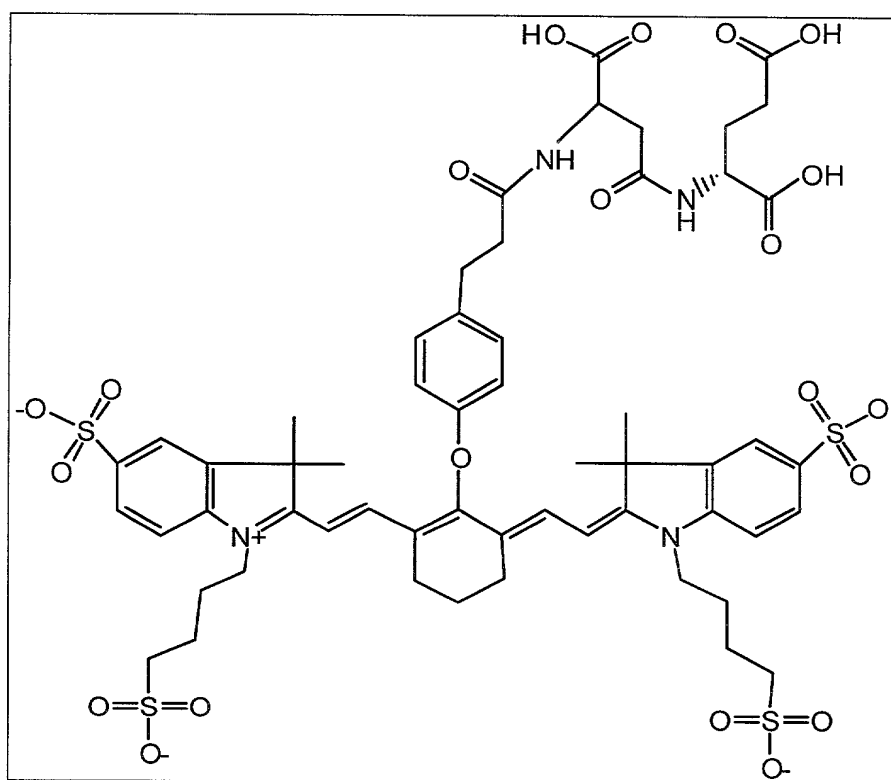
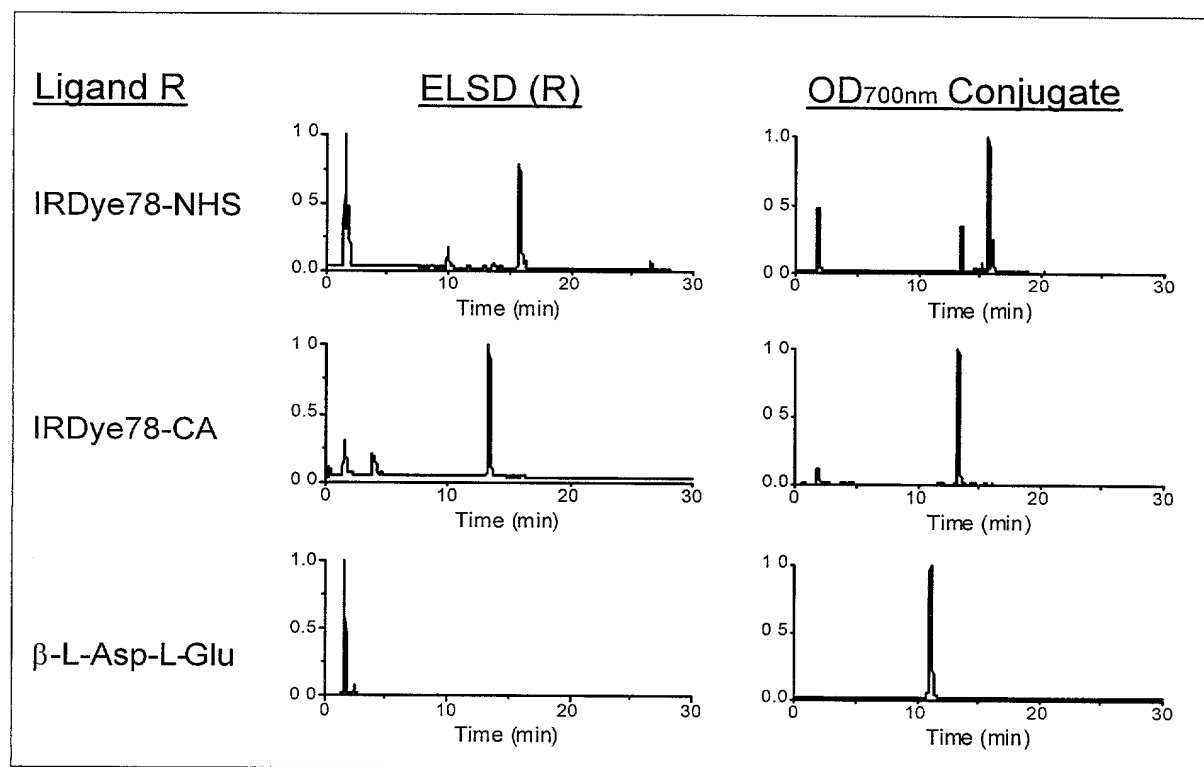


FIG. 6



Structure of beta-AG

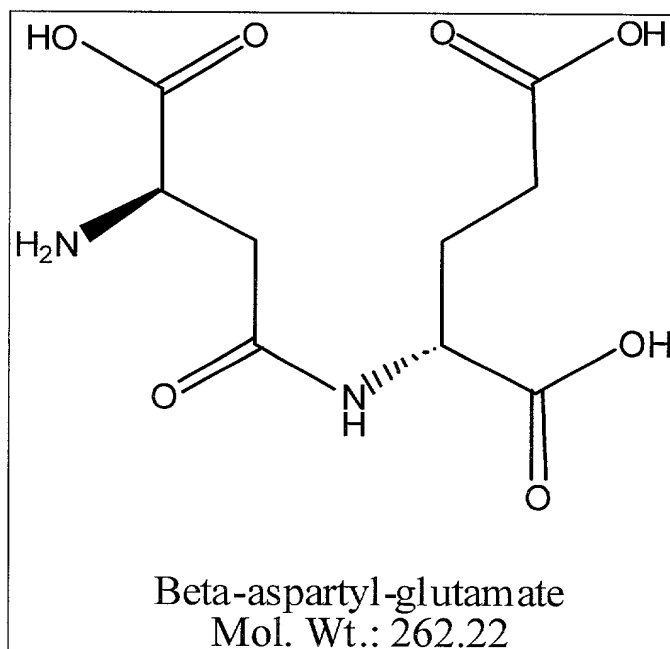
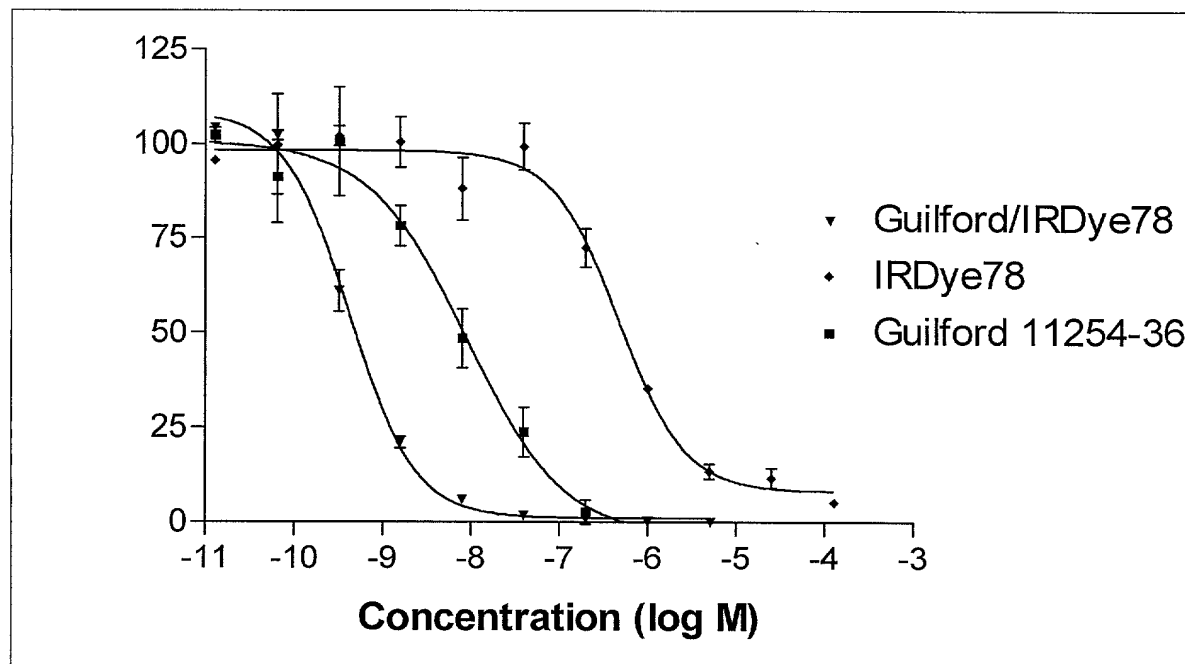


FIG. 7



Guilford 11254-36

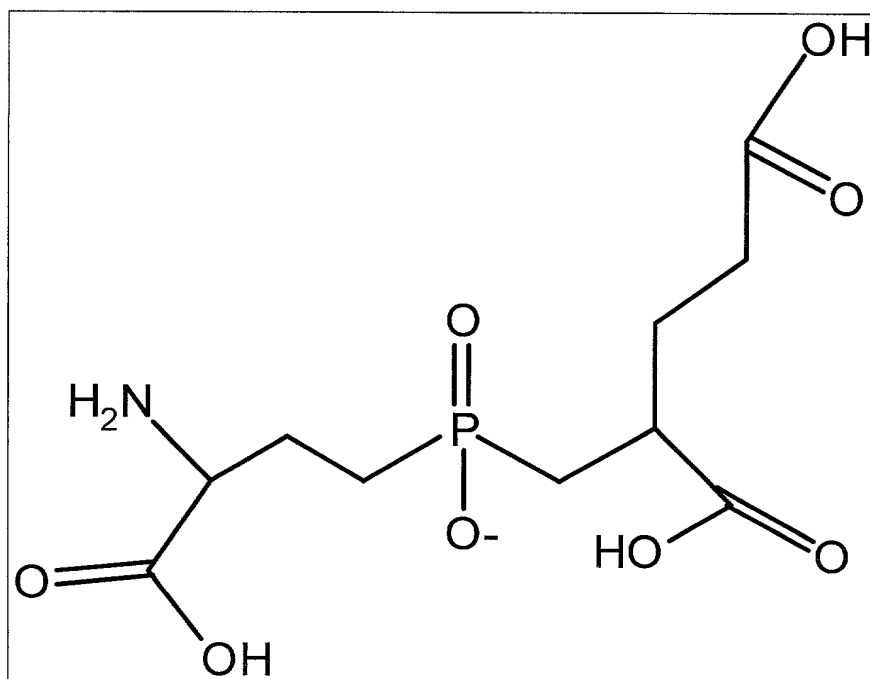


FIG. 8

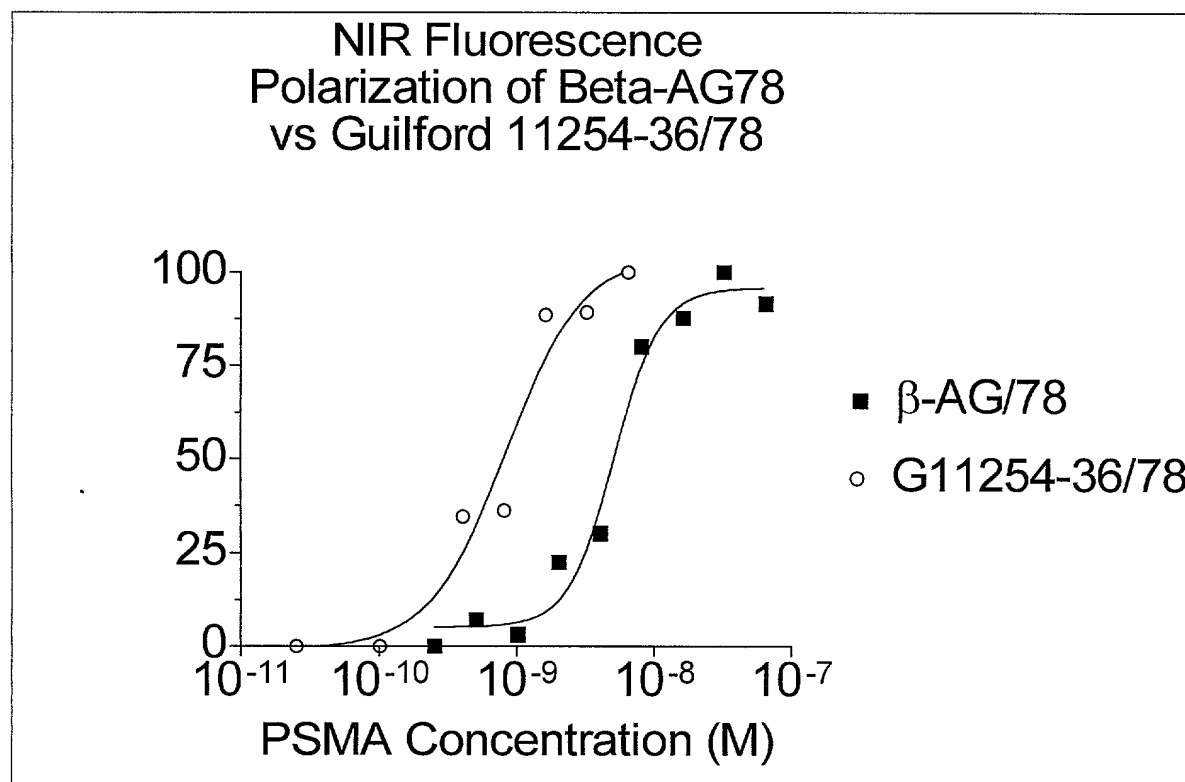


FIG. 9

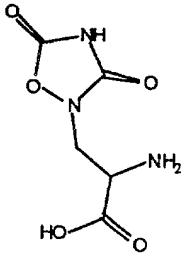
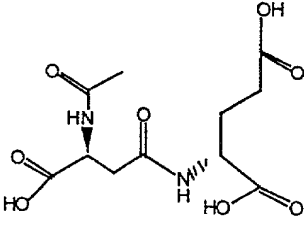
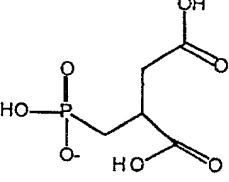
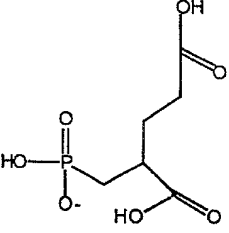
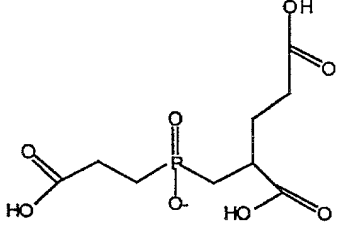
<u>Compound</u>	<u>K_i (Range)</u>	
Quisqualic Acid (52809-07-1)	155 nM - 2μM (Non-Competitive)	
β-NAAG (Spaglumi c Acid; 4910-46-7)	201-700 nM (Competitive)	
Guilford-4	700 nM	
2-(phosphonomethyl) pentanedioic acid (PMPA; Guilford 3)	98-275 pM	
Guilford-7	1.9 nM	

FIG. 10

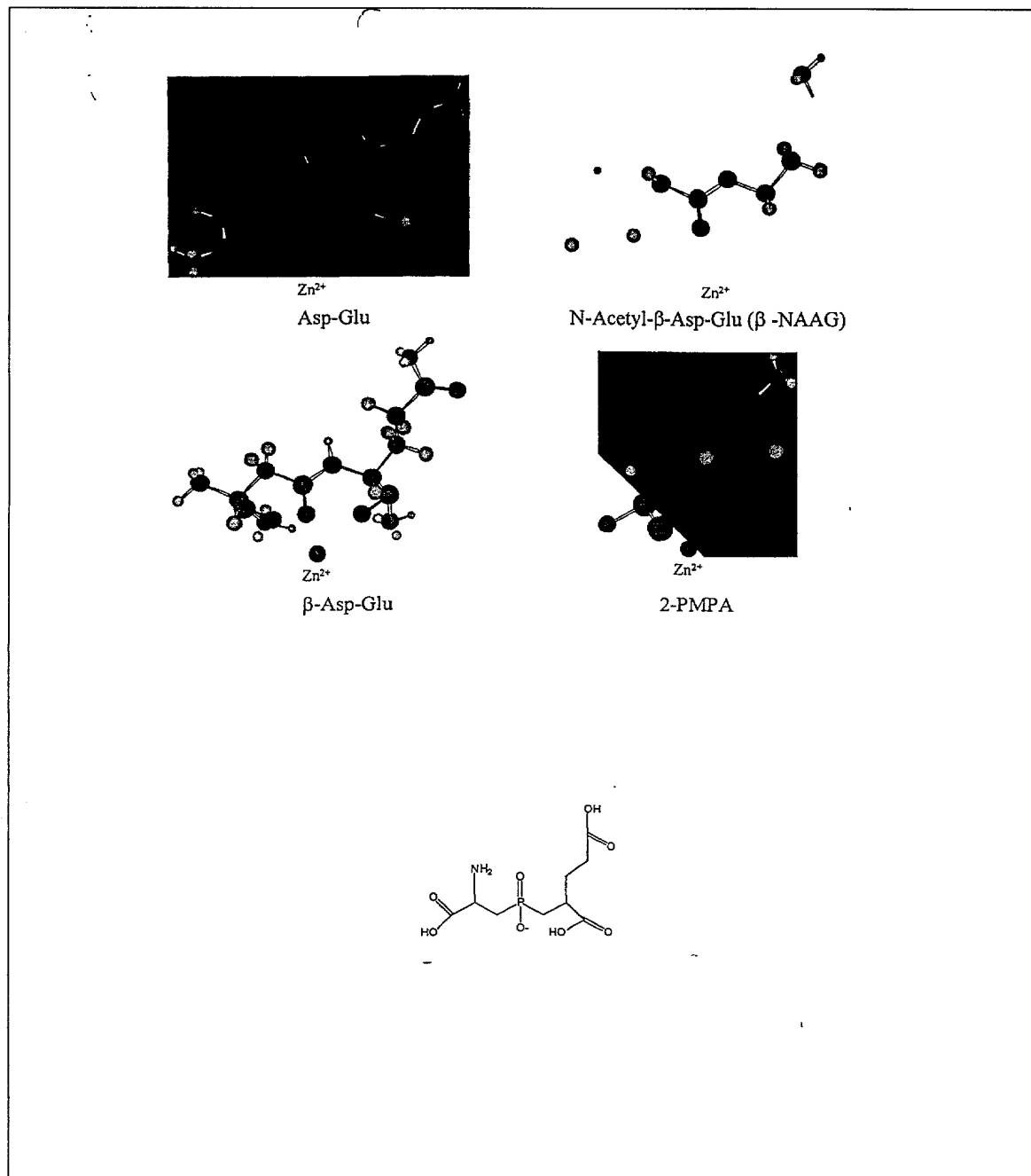


FIG. 11

